JAN 0 % 2000 A

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

C	omplete if Known
Application Number	09/934,004
Filing Date	August 20,2001
First Named Inventor	Baoxin Li, et al.
Art Unit	2174
Examiner Name	TBD
Attorney Docket Number	7146.0122

Examiner Initials	Cite No.1	Document Number Number-Kind Code ² (Finoun)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevan Figures Appear
LVN		US-4,253,108	02-24-1981	Engel	
		US-4,298,884	11-03-1981	Reneau	
		US-5,109,482	04-28-1992	Bohrman, D.	
		US-5,452,016	09-19-1995	Ohara, et al.	
		US-5,521,841	05-28-1996	Arman, et al.	
		US-5,635,982	06-03-1997	Zhang, et al.	
		US-5,654,769	08-05-1997	Ohara, et al.	
		US-5,778,108	07-07-1998	Coleman, Jr.	
		US-5,920,360	07-06-1999	Coleman, Jr.	
		US-5,959,681	09-28-1999	Cho	
		US-5,959,697	09-28-1999	Coleman, Jr.	
		US-5,990,980	11-23-1999	Golin	
		US-6,055,018	04-25-2000	Swan	
		US- 6,144,375	11-07-2000	Jain, et al.	
		US-6,219,837	04-17-2001	Yeo, et al.	
		US-6,236,395	05-22-2001	Sezan, et al.	
		US-6,342,904	01-29-2002	Vasudevan, et al.	
		US-2002 0080162	06-27-2002	Pan, et al.	
		US-6,418,168	07-09-2002	Narita	
		US-2002 0141619	10-03-2002	Standridge, et al.	
		US-6,549,643	04-15-2003	Toklu, et al.	•
		US-6,678,635	01-13-2004	Torinkere, et al.	
V		US-6,774,917	08-10-2004	Foote, et al.	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Initials No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
LVN		SUNGHOON CHOI, YONGDUEK SEO, HYUNWOO KIM, and KI-SANG HONG, "Where are the ball and players?: Soccer Game Analysis with Color-based Tracking and Image Mosaick," Dept. of EE, Pohang University of Science and Technology, Republic of Korea, pp. 1-15.	
	·	VIKRANT KOBLA, DANIEL DEMENTHON, and DAVID DOERMANN, "Identifying Sports Videos Using Replay, Text, and Camera Motion Features," University of Maryland, Laboratory for Language and Media Processing; at least one year prior to filing date; 12 pages.	
		RICHARD W. CONNERS and CHARLES A. HARLOW, "A Theoretical Comparison of Texture Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. PAMI-2, No. 3, May 1980, pp.204-222.	
		S. E. LEVINSON, L. R. RABINER, and M. M. SONDHI, "An Introduction to the Application of the Theory of Probabilistic Functions of a Markov Process to Automatic Speech Recognition," American Telephone and Telegraph Company, The Bell System Technical Journal, Vol. 62, No. 4, April 1983, pp. 1035-1074.	

	OIP	EIR	\
(z	? O NAI,	i . To annc s	ž)
্র		. 40	Ζ.,

IVA COME	LECTOR RENCE R. RABINER, "A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition," Proceedings of the IEEE, Vol. 77, No. 2, February 1989, pp. 257-286.	
	STEPHEN S. INTILLE, "Tracking Using a Local Closed-World Assumption: Tracking in the Football Domain," M.I.T. Media Lab Perceptual Computing Group Technical Report No. 296, pp. 1-62, Submitted to the Program in Media Arts and Sciences, School of Architecture and Planning on August 5, 1994.	
	PADHRAIC SMYTH, "Belief Networks, Hidden Markov Models, and Markov Random Fields: a Unifying View," Information and Computer Science Department, University of California, Irvine, CA, March 20, 1998, pp. 1-11.	
	NOBORU BABGUCHI, YOSHIHIKO KAWAI, YUKINOBU YASUGI, and TADAHIRO KITAHASHI, "Linking Live and Replay Scenes in Broadcasted Sports Video," Proceedings of ACM Multimedia 2000 Workshop on Multimedia Information Retrieval (MIR2000), pp. 205-208, November 2000.	
	LEXING XIE, "Segmentation and Event Detection in Soccer Audio," EE 6820 Project, Soccer Audio, Columbia University, May 15, 2001, pp. 1-9.	
	PENG XU, CHIH-FU CHANG, AJAY DIVAKARAN, ANTHONY VETRO, and HUIFANG SUN, "Algorithms and System for High-Level Structure Analysis and Event Detection in Soccer Video," Columbia University, ADVENT – Technical Report #111, June 2001.	
	HAO PAN, BAOXIN LI, and M. IBRAHIM SEZAN, "Automatic Detection of Replay Segments in Broadcast Sports Programs by Detection of Logos in Scene Transitions," IEEE ICASSP 2002, pp. 3385-3388.	
	LEXING XIE and SHIH-FU CHANG, "Structure Analysis of Soccer Video with Hidden Markov Models," ICASSP, 2002.	
V	RICCARDO LEONARDI and PERANGELO MIGLIORATI, "Semantic Indexing of Multimedia Documents," IEEE 2002 (April – June 2002), pp.,44-51	

Examiner	Date	6/27/06
Signature	Considered	4/2//04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language-Translation is attached.